```
=> d his nofile

        (FILE 'HOME' ENTERED AT 09:33:09 ON 06 OCT 2006)

        FILE 'REGISTRY' ENTERED AT 09:33:15 ON 06 OCT 2006
L1              STRUCTURE UPLOADED
L2              STRUCTURE UPLOADED
L3          0 SEA SSS SAM L1
L4          0 SEA SSS SAM L2

        FILE 'STNGUIDE' ENTERED AT 09:34:23 ON 06 OCT 2006

        FILE 'REGISTRY' ENTERED AT 09:35:09 ON 06 OCT 2006
L5              STRUCTURE UPLOADED
L6         50 SEA SSS SAM L5

        FILE 'STNGUIDE' ENTERED AT 09:35:32 ON 06 OCT 2006

        FILE 'REGISTRY' ENTERED AT 09:36:56 ON 06 OCT 2006
L7              STRUCTURE UPLOADED
L8         50 SEA SSS SAM L7
            D QUE L2

        FILE 'STNGUIDE' ENTERED AT 09:37:56 ON 06 OCT 2006

        FILE 'REGISTRY' ENTERED AT 09:40:55 ON 06 OCT 2006
L9              STRUCTURE UPLOADED
L10         0 SEA SSS SAM L9

        FILE 'STNGUIDE' ENTERED AT 09:41:36 ON 06 OCT 2006

        FILE 'CAPLUS' ENTERED AT 09:44:40 ON 06 OCT 2006
            E US2004-765299/APPS
L11         1 SEA ABB=ON  PLU=ON  US2004-765299/AP
            D SCAN
            SEL RN L11

        FILE 'REGISTRY' ENTERED AT 09:44:58 ON 06 OCT 2006
L12        12 SEA ABB=ON  PLU=ON  (80529-93-7/BI OR 10138-52-0/BI OR
            112-80-1/BI OR 28320-73-2/BI OR 360045-93-8/BI OR 423-55-2/BI
            OR 5681-36-7/BI OR 737813-58-0/BI OR 802935-24-6/BI OR
            802935-28-0/BI OR 804518-45-4/BI OR 98258-63-0/BI)
            D SCAN
            D QUE L9
L13         0 SEA SSS SAM L9
L14        12 SEA SSS FUL L9
            SAVE L14 LEAH299/A TEMP
            D SCAN

        FILE 'STNGUIDE' ENTERED AT 09:48:50 ON 06 OCT 2006

        FILE 'REGISTRY' ENTERED AT 09:50:05 ON 06 OCT 2006
L15         1 SEA ABB=ON  PLU=ON  L14 AND L12
L16        11 SEA ABB=ON  PLU=ON  L12 NOT L15
            D SCAN
L17         0 SEA ABB=ON  PLU=ON  L16 AND GADOLINATE/TI
L18         3 SEA ABB=ON  PLU=ON  L16 AND GADOLINATE
            D RN 1-3
L19         STR  804518-45-4
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                    D SCAN L15
                    D SCAN L14
                    D SCAN L16


        FILE 'STNGUIDE' ENTERED AT 10:01:06 ON 06 OCT 2006


        FILE 'REGISTRY' ENTERED AT 10:01:55 ON 06 OCT 2006
L20              STRUCTURE UPLOADED
L21          0 SEA SSS SAM L20


        FILE 'HCAPLUS' ENTERED AT 10:02:34 ON 06 OCT 2006
L22          6 SEA ABB=ON   PLU=ON   L14


        FILE 'REGISTRY' ENTERED AT 10:02:54 ON 06 OCT 2006
L23          0 SEA SSS SAM L9
L24          0 SEA SSS SAM L19


        FILE 'HCAPLUS' ENTERED AT 10:03:17 ON 06 OCT 2006
L25          4 SEA ABB=ON   PLU=ON   L22 AND (PY<2003 OR AY<2003 OR PRY<2003)


        FILE 'REGISTRY' ENTERED AT 10:03:49 ON 06 OCT 2006
                    D SCAN L18
L26          1 SEA ABB=ON   PLU=ON   L18 AND (C67H111GDN9O2OPS.H)/MF


        FILE 'HCAPLUS' ENTERED AT 10:04:36 ON 06 OCT 2006
L27          2 SEA ABB=ON   PLU=ON   L26
L28          6 SEA ABB=ON   PLU=ON   (L22 OR L27)


        FILE 'BEILSTEIN' ENTERED AT 10:04:59 ON 06 OCT 2006
L29          0 SEA SSS FUL L9


        FILE 'MARPAT' ENTERED AT 10:05:23 ON 06 OCT 2006
L30          0 SEA SSS SAM L9
L31          7 SEA SSS FUL L9
L32          6 SEA ABB=ON   PLU=ON   L31 NOT L22


        FILE 'HCAPLUS' ENTERED AT 10:07:20 ON 06 OCT 2006
                    E LANZA G/AU
L33         95 SEA ABB=ON   PLU=ON   ("LANZA G"/AU OR "LANZA G M"/AU OR "LANZA
             GREGORY"/AU OR "LANZA GREGORY M"/AU OR "LANZA GREGORY MARK"/AU)


                    E WICKLINE S/AU
L34         70 SEA ABB=ON   PLU=ON   ("WICKLINE S"/AU OR "WICKLINE S A"/AU OR
             "WICKLINE SAMUEL"/AU OR "WICKLINE SAMUEL A"/AU)
L35         56 SEA ABB=ON   PLU=ON   L33 AND L34


        FILE 'REGISTRY' ENTERED AT 10:08:48 ON 06 OCT 2006
                    D RN L26


        FILE 'HCAPLUS' ENTERED AT 10:09:11 ON 06 OCT 2006
L36          6 SEA ABB=ON   PLU=ON   (L28 OR L11)


        FILE 'HCAPLUS' ENTERED AT 10:10:08 ON 06 OCT 2006
                    D QUE L35
                    D IBIB ABS L35 TOT
                    D QUE L36
                    D IBIB ABS HITSTR L36 TOT


        FILE 'MARPAT' ENTERED AT 10:10:45 ON 06 OCT 2006
                    D QUE L32
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                    D IBIB ABS QHIT L32 TOT

          FILE 'REGISTRY' ENTERED AT 10:19:11 ON 06 OCT 2006
L37               STRUCTURE UPLOADED
L38           0 SEA SSS SAM L37


          FILE 'BEILSTEIN' ENTERED AT 10:19:45 ON 06 OCT 2006
L39           0 SEA SSS FUL L37
L40               STRUCTURE UPLOADED
L41           0 SEA SSS FUL L40


          FILE 'REGISTRY' ENTERED AT 10:21:41 ON 06 OCT 2006
L42           0 SEA SSS SAM L40
L43           0 SEA SSS FUL L40


          FILE 'MARPAT' ENTERED AT 10:22:07 ON 06 OCT 2006
L44           3 SEA SSS FUL L40
L45           1 SEA ABB=ON   PLU=ON   L44 NOT L22
L46           1 SEA ABB=ON   PLU=ON   L45 NOT L32
L47           0 SEA SSS SAM L37
L48           3 SEA SSS FUL L37
L49           0 SEA ABB=ON   PLU=ON   L48 NOT L44


          FILE 'MARPAT' ENTERED AT 10:24:04 ON 06 OCT 2006
                  D QUE L46
                  D IBIB ABS QHIT L46 TOT


          FILE 'REGISTRY' ENTERED AT 10:54:48 ON 06 OCT 2006
L50               STRUCTURE UPLOADED
L51           0 SEA SSS SAM L50
                  D QUE L50
L52               STRUCTURE UPLOADED
L53           8 SEA SSS SAM L52
                  D SCAN


          FILE 'STNGUIDE' ENTERED AT 11:05:09 ON 06 OCT 2006


          FILE 'REGISTRY' ENTERED AT 11:08:01 ON 06 OCT 2006
L54               STRUCTURE UPLOADED
L55          50 SEA SSS SAM L54


          FILE 'STNGUIDE' ENTERED AT 11:09:06 ON 06 OCT 2006


          FILE 'REGISTRY' ENTERED AT 11:13:56 ON 06 OCT 2006
L56               SCR 235
L57          50 SEA SSS SAM L56 AND L54
L58      529107 SEA SSS FUL L56 AND L54
                  D QUE L50
                  D QUE L52
L59           8 SEA SUB=L58 SSS SAM L52
L60         224 SEA SUB=L58 SSS FUL L52
L61           2 SEA ABB=ON   PLU=ON   L60 AND L12
                  D SCAN
L62         222 SEA ABB=ON   PLU=ON   L60 NOT L14


          FILE 'HCAPLUS' ENTERED AT 11:17:42 ON 06 OCT 2006
L63         122 SEA ABB=ON   PLU=ON   L62
L64           2 SEA ABB=ON   PLU=ON   L61
L65         122 SEA ABB=ON   PLU=ON   (L63 OR L64)
L66         120 SEA ABB=ON   PLU=ON   L65 NOT L22
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        FILE 'REGISTRY' ENTERED AT 11:18:44 ON 06 OCT 2006
                     D QUE L52
                     D QUE L52
L67          .      2 SEA ABB=ON   PLU=ON   L14 AND L60
                     D SCAN
L68                10 SEA ABB=ON   PLU=ON   L14 NOT L67
L69                   STRUCTURE UPLOADED
                     D QUE L69
L70                50 SEA SSS SAM L69 AND L56
L71            518410 SEA SSS FUL L69 AND L56
L72            541688 SEA ABB=ON   PLU=ON   (L58 OR L71)
L73                12 SEA ABB=ON   PLU=ON   L14 AND L71
L74                 8 SEA SUB=L71 SSS SAM L52
L75               215 SEA SUB=L71 SSS FUL L52
L76                 2 SEA ABB=ON   PLU=ON   L75 AND L14


        FILE 'STNGUIDE' ENTERED AT 11:27:44 ON 06 OCT 2006


        FILE 'REGISTRY' ENTERED AT 11:28:22 ON 06 OCT 2006
L77             23278 SEA ABB=ON   PLU=ON   L58 NOT L71
L78            505829 SEA ABB=ON   PLU=ON   L58 AND L71
                     D COST


        FILE 'STNGUIDE' ENTERED AT 11:29:02 ON 06 OCT 2006
                     D QUE L52


        FILE 'REGISTRY' ENTERED AT 11:29:51 ON 06 OCT 2006


        FILE 'STNGUIDE' ENTERED AT 11:29:53 ON 06 OCT 2006


        FILE 'REGISTRY' ENTERED AT 11:29:58 ON 06 OCT 2006
L79                   STRUCTURE UPLOADED
                     D QUE L79
L80                 8 SEA SUB=L58 SSS SAM L79
L81               231 SEA SUB=L58 SSS FUL L79
L82               222 SEA SUB=L71 SSS FUL L79
L83               231 SEA ABB=ON   PLU=ON   (L81 OR L82)
L84                 2 SEA ABB=ON   PLU=ON   L14 AND L83
                     D QUE L14
                     D QUE L79
L85               229 SEA ABB=ON   PLU=ON   L83 NOT L14


        FILE 'HCAPLUS' ENTERED AT 11:36:33 ON 06 OCT 2006
L86               125 SEA ABB=ON   PLU=ON   L85
L87               123 SEA ABB=ON   PLU=ON   L86 NOT L36


        FILE 'REGISTRY' ENTERED AT 11:36:58 ON 06 OCT 2006
                     D QUE L79


        FILE 'STNGUIDE' ENTERED AT 11:37:31 ON 06 OCT 2006


        FILE 'REGISTRY' ENTERED AT 11:39:01 ON 06 OCT 2006
L88                   STRUCTURE UPLOADED
L89            505829 SEA ABB=ON   PLU=ON   L58 AND L71
L90                 4 SEA SUB=L58 SSS SAM L88
L91                85 SEA SUB=L58 SSS FUL L88
L92                85 SEA SUB=L71 SSS FUL L88
L93                85 SEA ABB=ON   PLU=ON   (L91 OR L92)
L94                83 SEA ABB=ON   PLU=ON   L93 NOT L14
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        FILE 'HCAPLUS' ENTERED AT 11:40:08 ON 06 OCT 2006
L95             91 SEA ABB=ON   PLU=ON  L94

        FILE 'STNGUIDE' ENTERED AT 11:40:28 ON 06 OCT 2006

        FILE 'REGISTRY' ENTERED AT 11:41:35 ON 06 OCT 2006
L96             STRUCTURE UPLOADED
L97              2 SEA SUB=L58 SSS SAM L96
L98             37 SEA SUB=L58 SSS FUL L96
L99             37 SEA SUB=L71 SSS FUL L96
L100            37 SEA ABB=ON   PLU=ON  (L98 OR L99)
L101            35 SEA ABB=ON   PLU=ON  L100 NOT L14

        FILE 'HCAPLUS' ENTERED AT 11:42:32 ON 06 OCT 2006
L102            69 SEA ABB=ON   PLU=ON  L101
L103            67 SEA ABB=ON   PLU=ON  L102 NOT L36
L104            49 SEA ABB=ON   PLU=ON  L103 AND (PY<2003 OR AY<2003 OR PRY<2003)
L105            ANALYZE PLU=ON  L104 1- RN :      446 TERMS
                D

        FILE 'REGISTRY' ENTERED AT 11:43:30 ON 06 OCT 2006
L106             1 SEA ABB=ON   PLU=ON  155734-90-0
                D SCAN
L107             1 SEA ABB=ON   PLU=ON  176181-90-1
                D SCAN
L*** DEL         0 S L104 NOT L11

        FILE 'HCAPLUS' ENTERED AT 11:44:37 ON 06 OCT 2006
L108            49 SEA ABB=ON   PLU=ON  L104 NOT L11

        FILE 'REGISTRY' ENTERED AT 11:44:52 ON 06 OCT 2006
                D SCAN L101


=> file hcaplus
FILE 'HCAPLUS' ENTERED AT 10:10:08 ON 06 OCT 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)
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FILE COVERS 1907 - 6 Oct 2006  VOL 145 ISS 16
FILE LAST UPDATED: 5 Oct 2006   (20061005/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.
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    FILE 'REGISTRY' ENTERED AT 16:05:24 ON 06 OCT 2006
L1              STRUCTURE UPLOADED
L2          0 S L1 SSS SAM
L3          0 S L1 SSS FULL
L4              STRUCTURE UPLOADED
L5          2 S L4 SSS SAM
L6         28 S L4 SSS FULL

    FILE 'CAPLUS' ENTERED AT 16:10:12 ON 06 OCT 2006
L7         66 S L6
L8          1 S L7 AND DOTA
L9          1 S L7 AND CONTRAST AGENT
L10         2 S L7 AND GADOLINIUM
L11         1 S L7 AND MRI
```
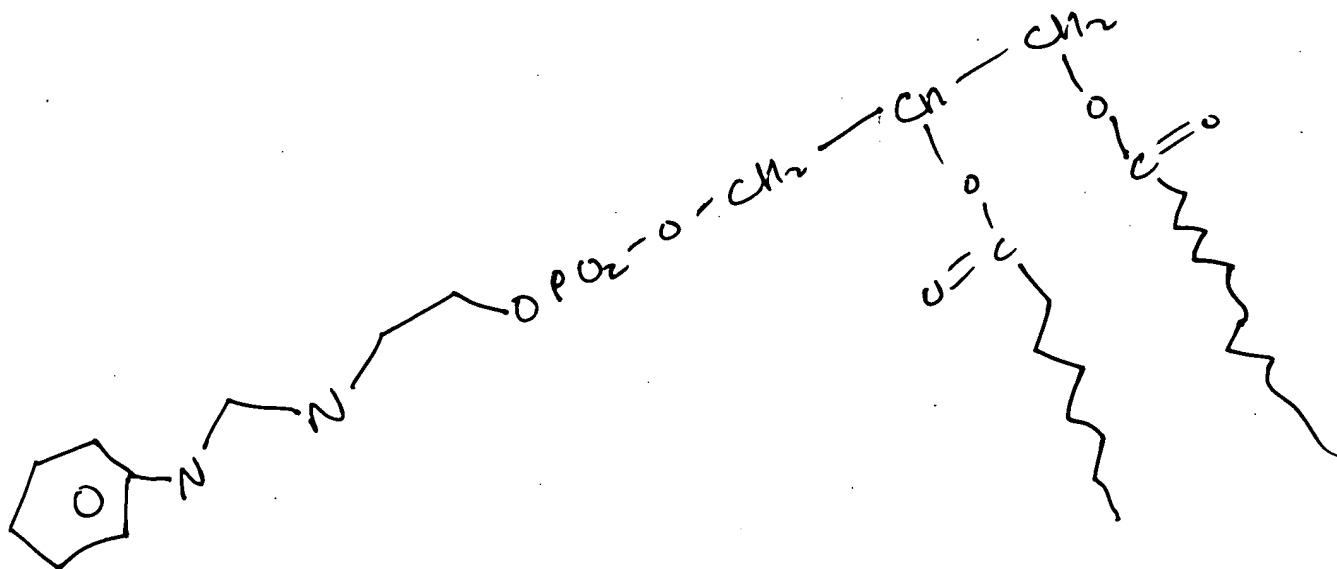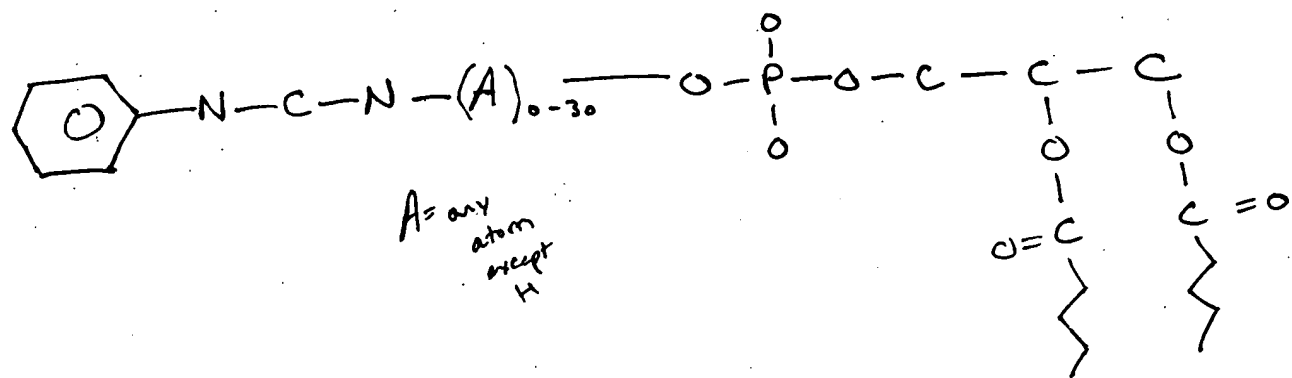
Structure search :

A = any atom except H

A = 2 : inventor's work
+
Compton and Roberts
(spacer = $CH_2 CH_2$)

A = 7, 9, 11, 13: Mayer
(spacer = sugar)

A = 11 : inventor's work
(spacer = triglycine)

A = 12 : Kuwano
(spacer = PEG)